

# Page 5, between lines 4 and 5, please insert the following:

BRIEF DESCRIPTION OF THE DRAWINGS

# Page 5, between lines 27 and 28, please insert the following:

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

IN THE CLAIMS:

Please replace claims 16 and 42 with the following amended versions:

16. (Four Times Amended) A confocal microscope defining a path of rays and comprising an ocular, a tube lens and a rotatable optical system for image rotation disposed in the path of rays of the confocal microscope, wherein the rotatable optical system is disposed between a scanning lens and a scanning mirror of a laser scanner in the path of rays of the confocal microscope, wherein the rotatable optical system for image rotation serves to rotate all scanning and video images fed through the laser scanner into the microscope.

Fig. 3

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42. (Amended) A confocal microscope defining a path of rays and comprising:  
an ocular;  
a tube lens; and  
a rotatable optical system for image rotation disposed in the path of rays of the confocal microscope, wherein the rotatable optical system is disposed between a scanning lens and a scanning mirror of a laser scanner in the path of rays of the confocal microscope, wherein the rotatable optical system for image rotation serves to rotate all scanning and video images fed through the laser scanner into the microscope, and wherein an object is measurable from a plurality of angular positions without physical rotation of the measured object.

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Please cancel claims 25, 29-35 and 39-41 without prejudice or disclaimer.

Please add new claims 43 – 46 as follows:

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43. (New) The confocal microscope according to claim 16, further comprising:

<sup>13</sup>  
an excitation pinhole disposed in a path of excitation light; and  
<sup>11</sup> a detection pinhole disposed proximate to a detector. <sup>12</sup>

44. (New) The confocal microscope according to claim 16, wherein the scanning mirror <sup>9</sup> directs a rotated image to a detector.

45. (New) The confocal microscope according to claim 42, further comprising:

<sup>13</sup>  
an excitation pinhole disposed in a path of excitation light; and  
a detection pinhole disposed proximate to a detector.

46. (New) The confocal microscope according to claim 42, wherein the scanning mirror directs a rotated image to a detector.